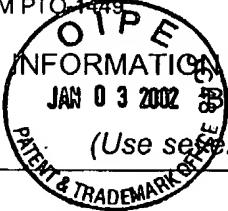


RECEIVED

JAN 08 2002

TECH CENTER 1600/2900 sheet 1 of 1

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT JAN 03 2002 BY APPLICANT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.: ID0983K US	SERIAL NO.: 09/758,759		
				APPLICANT: Thomas J. Hosted, et al.			
				FILING DATE: January 11, 2001	GROUP: 1635		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AD	JP 3139284 and English abstract from Micropatent Database	6/13/91	Japan			✓
	AE	WO 95/16046	6/15/95	PCT			✓
	AF	WO 97/13777	4/17/97	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AG	Decker, H., (1996), FEMS Microbiology Letters 141:195-201					
	AH	Bechthold, A., (1999), Biorganic Chemistry, Diederichsen U. et al. Wiley-VCH Verlag GMBH, Weinheim, Germany, p. 313-321					
	AI	Malpartida, F., (1987), Nature, 325:818-821					
	AJ	Koch, C., (1996), International Journal of Systematic Bacteriology, 46(2):383-387					
	AK	International Search Report for International Patent Application No. PCT/US01/01187; Date of Completion: August 7, 2001					
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
	AW						
	AX						
	AY						
	AZ						
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
EXAMINER <i>Tracy Vivlemore</i>				DATE CONSIDERED <i>7/7/04</i>			

RECEIVED

JAN 08 2002

Sheet 1 of 1
TECH CENTER 1600/2900

FORM PTO-1449 O P E INFORMATION DISCLOSURE STATEMENT JAN 03 2002 BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO.: ID0983K US	SERIAL NO.: 09/758,759
		APPLICANT: Thomas J. Hosted, et al.	
		FILING DATE: January 11, 2001	GROUP: 1635

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						

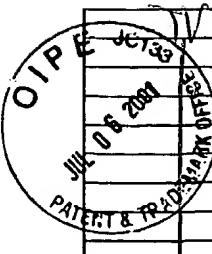
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
AD	JP 3139284 and English abstract from Micropatent Database						
AE	WO 95/16046						
AF	WO 97/13777						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AG	Decker, H., (1996), FEMS Microbiology Letters 141:195-201
AH	Bechthold, A., (1999), Biorganic Chemistry, Diederichsen U. et al. Wiley-VCH Verlag GMBH, Weinheim, Germany, p. 313-321
AI	Malpartida, F., (1987), Nature, 325:818-821
AJ	Koch, C., (1996), International Journal of Systematic Bacteriology, 46(2):383-387
AK	International Search Report for International Patent Application No. PCT/US01/01187; Date of Completion: August 7, 2001
AL	
AM	
AN	
AO	
AP	
AQ	
AR	
AS	
AT	
AU	
AV	
AW	
AX	
AY	
AZ	
BA	
BB	
BC	
BD	
BE	
BF	
BG	
BH	
BI	
BJ	

EXAMINER	DATE CONSIDERED

	BU	McNicholas PM, 2000, <i>Antimicrob Agents Chemother.</i> 44: 1121-1126.
	BV	Merson-Davies LA, et al., 1994, <i>Mol Microbiol.</i> 13: 349-355.
	BW	Mertz JL, et al., 1986, <i>J Antibiot (Tokyo).</i> 39: 877-887.
	BX	Ninet L, F Benazet, et al., 1974, <i>Experientia.</i> 30: 1270-1272.
	BY	Oh and Chater, 1997, <i>J. Bacteriol.</i> 179:122-7
	BZ	Olano et al., 1998, <i>Molecular Gen. Genetics</i> 3:299-308
	CA	Paget E, et al., 1996, <i>J Bacteriol.</i> 178: 6357-6360.
	CB	Piepersberg W., et al., 1994, <i>Crit Rev Biotechnol.</i> 14: 251-285.
	CC	Pissowotzki K, et al., 1991, <i>Mol Gen Genet.</i> 231: 113-123.
	CD	Puar MS, et al., 1998, <i>J Antibiot (Tokyo).</i> 51: 221-224.
	CE	Rao et al., 1987, <i>Methods in Enzymology</i> 153:166-198
	CF	Reynolds, Proc. Natl. Acad. Sci. USA, 1998, 95:112744
	CG	Rodriguez E, et al., 1999, <i>Microbiology.</i> 145: 3109-3119.
	CH	Saitou N, et al., 1987, <i>Mol Biol Evol.</i> 4: 406-425.
	CI	Smith et al., 1997, <i>FEMS Microbiol. Lett.</i> 155:223-9
	CJ	Solenberg et al., <i>Chem Biol.</i> 1997, 4:195-202
	CK	Strohl et al., 1991, <i>J. Industr. Microbiol.</i> 7:163
	CL	Stutzman-Engwall KJ, et al., 1992, <i>J Bacteriol.</i> 174: 144-154.
	CM	Summers et al., 1997, <i>Microbiology</i> 143:3251-3262)
	CN	Tang L, et al., 1994, <i>Ann. N Y Acad. Sci.</i> 721:105-16
	CO	Trefzer A., et al., 1999, <i>Nat Prod Rep.</i> 16: 283-299.
	CP	Ueda et al., 1996, <i>Gene</i> 169:91-95
	CQ	van Wageningen AM, et al., 1998, <i>Chem Biol.</i> 5: 155-162.
	CR	Weinstein MJ; 1965, <i>Antimicrob Agents Chemother.</i> 5: 821-827.
	CS	Wilson et al., 1998, <i>Gene</i> 214:95-100
	CT	Wohlleben et al., 1994, <i>Acta Microbiol. Immunol. Hung</i> 41:381-9
	CU	Wolk CP, 1991, <i>Proc. Natl. Acad. Sci.</i> 88: 5355-5359.
	CV	Wright F, et al., 1992, <i>Gene.</i> 113: 55-65.
	CW	Yihonko et al., 1996, <i>Microbiology</i> 142:1965
	CX	Zhang et al., 1998, <i>Molecular and General Genetics</i> 258:26-33
EXAMINER	DATE CONSIDERED	
Tracy Vivlemore	7/7/04	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO.: ID0983K	SERIAL NO.: 09/758,759
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT: Thomas J. Hosted, et al.	
(Use several sheets if necessary)				FILING DATE: January 11, 2001	GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
T	V	AA 5,190,870	3/2/93	Lipscomb et al.			10/8/90
	AB	5,190,871	3/2/93	Cox et al.			6/12/89
	AC	5,741,675	4/21/98	Friedmann et al.			6/7/96

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AD	EP 350,341	5/16/89	EP			
	AE	WO 93/13663	7/23/93	PCT			
	AF	WO 93/07904	4/29/93	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AG	Adrian PV, et al., 2000, <i>Antimicrob Agents Chemother</i> . 44: 732-738
AH	Altreuter and Clark, 1999, <i>Curr. Op. Biotech</i> . 10:130
AI	Baltz and Hosted, 1996, <i>TIBTECH</i> 14:245
AJ	Baltz et al., 1998, <i>Trends Microbiol</i> . 2:76-83
AK	Baltz, 1990, <i>Curr. Op. Biotech</i> . 1:12-20
AL	Bao et al., 1999, <i>J. Bacteriol</i> 181:4690-5
AM	Bao W, et al., 1999, <i>Biochemistry</i> . 38: 9752-9757.
AN	Beck et al., 1990, <i>European Journal of Biochemistry</i> 192:487-498
AO	Becker A, et al., 1993, <i>Mol Gen Genet</i> . 241: 367-379.
AP	Brautaset T, et al., 2000, <i>Chem Biol</i> . 7: 395-403.
AQ	Buttner et al., 1990, <i>J. Bacteriol</i> . 172:3367-78
AR	Cheng-Cai, 1996, <i>Molecular Microbiology</i> 20:9-15
AS	Cundliffe, 1989, <i>Annual Review of Microbiology</i> 43:207-33
AT	Distler J, et al., 1987, <i>Nucleic Acids Res</i> . 15: 8041-8056.
AU	Donadio et al., 1993, <i>Proc. Natl. Acad. Sci. U.S.A</i> . 90:7119-23
AV	Faith et al., 1993, <i>Microbial Reviews</i> 57:995-1017
AW	Faust B, D Hoffmeister, et al., 2000, <i>Microbiology</i> . 146: 147-154.
AX	Fernandez et al., 1996, <i>Molecular and General Genetics</i> 251:692-698
AY	Fernandez et al., 1998, <i>Journal of Bacteriology</i> 18:4929-4937
AZ	Flett F, et al., 1997, <i>FEMS Microbiol Lett</i> . 155: 223-229.
BA	Foster DR, 1999, <i>Pharmacotherapy</i> . 19: 1111-1117.
BB	Gaisser et al., 1997, <i>Journal of Bacteriology</i> 179:6271-6278
BC	Ganguly AK, et al., 1975, <i>J Am Chem Soc</i> . 97: 1982-1985
BD	Ganguly AK, et al., 1979, <i>J Antibiot (Tokyo)</i> . 32: 1213-1216.
BE	Garbe TR, et al., 1994, <i>Microbiology</i> . 140: 133-138.
BF	Guilfoile et al., 1991, <i>Proc. Natl. Acad. Sci. USA</i> 88:8553-8557
BG	Hanlon et al., 1997, <i>Molecular Microbiology</i> 23:459-71
BH	Hopwood, et al., 1990, <i>Annual Review of Microbiology</i> 24:37-66
BI	Hosted and Baltz, 1997, <i>J. Bacteriol</i> . 179:180-6
BJ	Hung-wen et al., 1994, <i>Annual Review of Microbiology</i> 48:223-56
BK	Hutchinson CR, et al., 1993, <i>Antonie Van Leeuwenhoek</i> . 64: 165-176.
BL	Hutchinson et al., 1995, <i>Annual Review of Microbiology</i> 49:201-238
BM	Ikeda H, 1999, et al., <i>Proc Natl Acad Sci U S A</i> . 96: 9509-9514.
BN	Johnson et al., 1998, <i>Current Opinion Chem. Biol</i> . 5:642-9
BO	Kim et al., 1995, <i>J. Bacteriol</i> . 77:1202
BP	Lichenstein HS, et al., 1990, <i>Gene</i> . 88: 81-86.
BQ	Liu and Thorson, 1994, <i>Annu. Rev. Microbiol</i> . 48:223
BR	Liu W, et al., 2000, <i>Antimicrob Agents Chemother</i> . 44: 382-392.
BS	Madduri et al., 1998, <i>Nature Biotechnology</i> , 16:69-74
BT	McNicholas et al., Abstract C-846, ICAAC, San Francisco, CA, 1999